

6W6-GT

BEAM POWER AMPLIFIER

Electrical: Heater, for Unipotential Cathode: Voltage
Voltage
Characteristics as Beam Power Amplifier: See AMPLIFIER—Class A below: Characteristics as Triode-Connected Amplifier: (Grid No.2 connected to plate) Plate Voltage
Characteristics as Triode-Connected Amplifier: (Grid No.2 connected to plate) Plate Voltage
(Grid No.2 connected to plate) Plate Voltage
Grid—No.1 Voltage
Mechanical: Mounting Position
Mounting Position
Maximum Overall Length
or Intermediate-Shell Octal 7-Pin (JETEC No.B7-7) or Short Intermediate-Shell Octal 6-Pin with Ex- ternal Barriers (JETEC No.B6-60) or Short Intermediate-Shell Octal 7-Pin with Ex-
Basing Designation for BOTTOM VIEW G-7AC
Pin 1-No Connection Pin 2-Heater Pin 3-Plate Pin 4-Grid No.2 Pin 5-Grid No.1 Pin 7-Heater Pin 8-Cathode, Grid No.3
AMPLIFIERClass A
Maximum Ratings, Design-Center Values:
PLATE VOLTAGE
← Indicates a change.

OCT. 1, 1953

TUBE DEPARTMENT TENT

TENTATIVE DATA

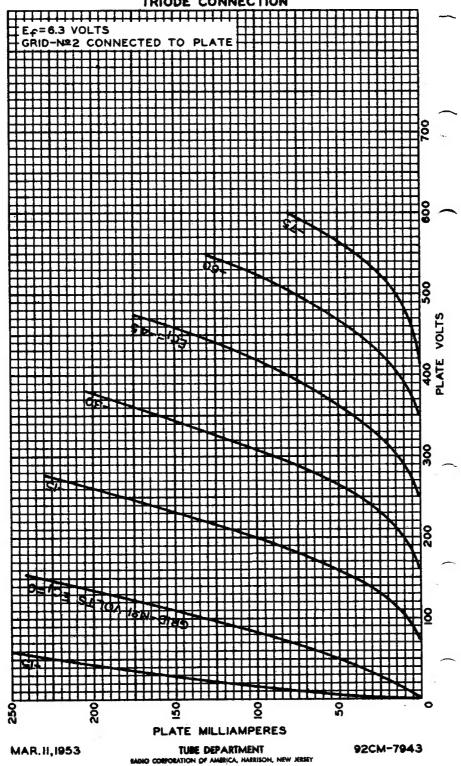


PEAK HEATER-CATHODE VOLTAGE: Heater negative with respect to cathode . 200 max. volt	\neg
	- 1
	-
Heater positive with respect to cathode . 2004max. volt	S
Typical Operation and Characteristics:	-
Plate Supply Voltage 110 200 volt	s
Grid-No.2 Voltage	s
Grid-No.1 (Control-Grid) Voltage7.5 - volt	s
Cathode-Bias Resistor 180 ohm	ns
Peak AF Grid-No.1 Voltage 7.5 8.5 volt	:sl
	na
	na
	na
	na
Plate Resistance (Approx.) 13000 28000 ohm	
Transconductance 8000 8000 μmhc	
Load Resistance 2000 4000 ohm	
Total Harmonic Distortion (Approx.) . 10 10	%
Max.—Signal Power Output 2.1 3.8 watt	S
Maximum Circuit Values:	
Grid-No.1-Circuit Resistance:	1
For fixed-bias operation 0.1 max. megoh	ım
For cathode-bias operation 0.5 max. megoh	m
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VERTICAL DEFLECTION AND LETER	-
VERTICAL DEFLECTION AMPLIFIER Triode ConnectedGrid No2 Connected to Plate	
Triode Connected-Grid No.2 Connected to Plate	
Triode Connected-Grid No.2 Connected to Plate Maximum Ratings, Design-Center Values Except As Noted:	
Triode Connected-Grid No.2 Connected to Plate Maximum Ratings, Design-Center Values Except As Noted: For operation in a 525-line, 30-frame systems	
Triode Connected-Grid No.2 Connected to Plate Maximum Ratings, Design-Center Values Except As Noted: For operation in a 525-line, 30-frame systeme DC PLATE VOLTAGE 300 max. volt	- 1
Triode Connected-Grid No.2 Connected to Plate Maximum Ratings, Design-Center Values Except As Noted: For operation in a 525-line, 30-frame system DC PLATE VOLTAGE PEAK POSITIVE-PULSE PLATE VOLTAGE 1200 max. volt	- 1
Triode ConnectedGrid No.2 Connected to Plate Maximum Ratings, Design-Center Values Except As Noted: For operation in a 525-line, 30-frame system DC PLATE VOLTAGE 300 max. volt PEAK POSITIVE-PULSE PLATE VOLTAGE 1200 max. volt PEAK NEGATIVE-PULSE GRID-No.1	s
Triode ConnectedGrid No.2 Connected to Plate Maximum Ratings, Design-Center Values Except As Noted: For operation in a 525-line, 30-frame system DC PLATE VOLTAGE 300 max. volt PEAK POSITIVE-PULSE PLATE VOLTAGE 1200 max. volt PEAK NEGATIVE-PULSE GRID-No.1 (CONTROL-GRID) VOLTAGE250 max. volt	s
Triode ConnectedGrid No.2 Connected to Plate Maximum Ratings, Design-Center Values Except As Noted: For operation in a 525-line, 30-frame systeme DC PLATE VOLTAGE	s
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Maximum Ratings, Design-Center Values Except As Noted: For operation in a 525-line, 30-frame system DC PLATE VOLTAGE PEAK POSITIVE-PULSE PLATE VOLTAGE (CONTROL-GRID) VOLTAGE CATHODE CURRENT: Peak DC PEAK	s s aas s s s
Maximum Ratings, Design-Center Values Except As Noted: For operation in a 525-line, 30-frame systeme DC PLATE VOLTAGE	s s aas s s s
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Maximum Ratings, Design-Center Values Except As Noted: For operation in a 525-line, 30-frame system* DC PLATE VOLTAGE	S S S S S S S S S S S S S S S S S S S

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AVERAGE PLATE CHARACTERISTICS TRIODE CONNECTION





AVERAGE PLATE CHARACTERISTICS PENTODE CONNECTION

